

FLUTED SIGNAL PIN, CAP, MEMBRANE, AND STANCHION FOR A BALL GRID  
ARRAY

ABSTRACT

- 5 A fluted signal pin provides expanded surface area for high frequency operation which minimizes inductive and capacitive effects. The signal pin may be mounted to a circuit board via a support stanchion or membrane during assembly or repair. The membrane may be permanent or removable by heat, water, and/ or detergent. A pin cap optionally is provided to ensure attachment to an overlying integrated circuit package.

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